Record Nr. UNINA9910799958103321 Autore Barron Michael <1945-, > Titolo Auditorium acoustics and architectural design / / Michael Barron London;; New York:,: Spon Press/Taylor & Francis,, 2010 Pubbl/distr/stampa **ISBN** 1-135-21925-7 1-135-21926-5 1-282-31808-X 0-203-87422-6 Edizione [2nd ed.] Descrizione fisica 1 online resource (504 p.) Disciplina 725/.81 Soggetti Architectural acoustics Music-halls - Great Britain Music-halls Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Book Cover; Title; Copyright; Contents; Preface; Preface to the first edition; Foreword; 1 Introduction; 2 Sound and rooms; 3 Acoustics for the symphony concert hall; 4 The development of the concert hall; 5 British concert halls and conclusions for concert hall acoustics: 6 Chamber music and recital halls: 7 Acoustics for speech: 8 Theatre acoustics; 9 Acoustics for opera; 10 Acoustics for multi-purpose use; 11 Multi-purpose halls in Britain; 12 The art and science of acoustics; Appendix A: Sound reflection and reverberation calculation; Appendix B: Objective measures for music auditoria Appendix C: Further objective results in concert hallsAppendix D: Objective measures for speech auditoria; Name index; Subject index Sommario/riassunto Modern concert halls and opera houses are now very specialized buildings with special acoustical characteristics. With new contemporary case-studies, this updated book explores these characteristics as an important resource for architects, engineers and auditorium technicians. Supported by over 40 detailed case studies and architectural drawings of 75 auditoria at a scale of 1:500, the survey of each auditorium type is completed with a discussion of current best

practice to achieve optimum acoustics.